

Topographic Production Capability

Description

The TPC supports the Marine Corps operational mission by improving the topographic and geospatial analytical capabilities of the Marine Expeditionary Forces (MEF) Topographic Platoons and, for the first time, provides the Marine Division with a resident topographic capability. This resulted in a system that speeds geospatial information collection and processing, and produces and disseminates up-to-date mapping products to the supported commander, whether at the Division, MEF or joint levels. The effort integrates cutting-edge commercial and Non-Developmental Item (NDI) hardware and software into a scalable, deployable, man-portable system. TPC consists of the Tactical Geospatial Information Library (TGIL), Deployable Geospatial Information Library (DGIL) Workstation, DGIL Server, Digital Terrain Analysis Mapping System (DTAMS), and Geodetic Survey Set (GSS). The primary difference between the TGIL, DGIL, and DTAMS is in the amount of information that may be stored, processed, and disseminated.

Operational Impact

The TPC is used by the MEF Topographic Platoon and provides deployable modules down to the Major Subordinate Commands (MSC) and the Marine Expeditionary Units (MEU). It may also be used to support the commander, Joint Task Force (JTF), or Marine component commander. The TPC provides the capability to scale up or down, dependent on the type of mission, size of the force, and specified geospatial requirements. The TPC is a transportable, highly mobile, modularized network of systems that allows the commander to exercise near-real-time control, coordination, and direction of Marine Air-Ground



Task Force (MAGTF) geospatial and Geographic Intelligence (GEOINT) production operations. Marine GEOINT specialists can employ TPC equipment in garrison, field, and shipboard operations and exercises.

Program Status

The TPC has been delivered to I, II, and III MEFs. The National Geospatial Intelligence School (NGS) received a TPC in fourth quarter 2004. Anticipated fielding of the TPC to the Marine Corps Intelligence Activity (MCIA) is second quarter FY 05. Additionally, TPC components have been assigned to support each of the Marine Divisions, the Chemical Biological Incident Response Force (CBIRF) in Indian Head, MD, and the Marine Corps Special Operations Command (MARSOC) Detachment-1 at Marine Corps Base, Camp Pendleton, CA.

Procurement Profile: FY 05 FY 06

Quantity:

TGIL	1	0
DGIL-S	1	0
DGIL-W	8	0
DTAMS	0	0

Developer/Manufacturer:

Hardware/Software Integrator:

Northrop Grumman Information Technology,
TASC, Chantilly, VA